DIAMOND DRILL LOG

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Property ISLAND MINING – JL CLAIMS	NTS 105 D/2	Claim JL	Elevation 3760	Azimuth 155°	Length 471'	Dip –65°	
Coordinates 3+05E / 1+95N	Dip Tests –60 (bad test)	Advance 217.41	Depth 417.7'	Date Collared JULY 13, 1987	Date Completed JULY 16/87		
Purposes TO CUT ACROSS VEINS NEAR WHEELBARROW ADIT.	Drilled by CARON D.D.	Assays by ACME LABS.	Logged by TME				

Interval From	Interval To	Rec'y %	RQD	DESCRIPTION	Sample No.	Interval From	Interval To	Core Width	RQD + % Recovery by A.R.T / Au (oz/ton)	Ag (oz/ton)
0	21'			OVERBURDEN						
21'	24' (1.32)			FAULT GOUGE? or GOLDEN-BROWN SOIL?						
24'	53' (16.15m)			FINE GRAINED (½mm) RUSTY GRAY RHYOLITE PORPHYRY					Au (oz/ton)	Ag (oz/ton)
				– leucocratic; 2% 2mm Q. eyes						
				– strongly broken ground.						
				– 36.5' = 2mm. Q vn. wk minor pyrite	8430	36	41'	5'	0.001	0.01
0	53	32	0	– 36-41' = Many tiny Q vn. wk. minor pyrite		10.97		12.50		
53	66	71	0.45	– 43-53' = Very poor recovery						
				– 48-53' = Fault gouge						
				– At 53' – good core to 58'						
53'	79 (24.07m)			FELSIC TO INTERMEDIATE TUFF?	8431	53	58	5	.001	.01
				– moderate green where fresher surfaces		16.15	17.68			
				– strong brown carbonate alteration						
				– abundant Q–carb vns up to 6 mm. access vns. 20–70° to c.axis.						
66	88	85	0.30	– 61-66' = Shear foliation ca. 30° to c.a	8432	61'	68'	5'	.001	.01
				= intense Q–carb (calcite) veining; 62.5-64.5' =		18.59	20.12			
				10% veins by volume.	8433	66	71'	5'	.001	.01
				– 66-76' = Mainly fault gouge.			21.64			
					8434	71'	76'	5'	.001	.01
							(23.16)			
79'	84' (25.6m)			BROWN, MASSIVE DACITE DYKE or SILL						
				– soft; ? angle of contacts						
				– excellent core recovery						
84'	114.5' (34.90m)			FELSIC TO INTERMEDIATE TUFF & LAPILLI TUFF and ANDESITIC FLOWS?						
				– veined (Q–Carb) w. strong brown carb. alteration						
88	118.5	86	0.38	– fault from 84-86'						
				– 1% calcite veins from hairline to 3mm.						
				– moderate silicification						
				– foliation 30° to c.a.						

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Interval From	Interval To	Rec'y %	RQD	DESCRIPTION	Sample No.	Interval From	Interval To	Core Width	Au (oz/ton)	Ag (oz/ton)
				100' and 103' = Quartz lenses adjacent to shears.; 7cm and 1-2cm, respectively; the latter lense or vein is 10-20° to the core axis.						
				-last 1.3' = bleached light green; contact 45° to c.a.						
114.5'	151' (46.02m)			BUFF RHYOLITE PORPHYRY - MINERALIZED to 126.5'	8435	114.5	118.5 (36.12)	4'	.009	.01
				-10% 3-5 mm glassy feldspar laths in an aphanitic matrix.	8436	118.5	122.5 (37.34)	4'	.013	.08
				114.5'-115.5' = contact breccia with Q-py infilling between fragments; some veins 30° to c. axis.	8437	122.5	126.5 (38.56)	4'	.007	.01
				-hairline to 1mm carb. vns common; ↗ COARSE GR GALENA IN CHL. ALT'D SECTION						
				-118.5' = f.gr. GALENA? in Q. vn at 20° to c.a.						
118.5	153	86	0.10	OVERALL 1-2% PYRITE and many Q vns.						
				-121-121.5' = a 4mm Q vn at 25° to c.a. and a 1-2cm Q vn at 30° to c. axis.						
				-124' - a 1cm. Q vn at 25° to c.a.						
				-126.1' = Brown weathered carb. w. galena(?)						
				-126.5' - mineralized zone ends.						
				-131.2'-132.5' = Fault gouge & strongly fract. rhyo. porph. Strong fracturing to 136'						
151'	155' (47.24m)			ALTERED GREEN ANDESITE						
				-fault gouge to 153'						
				- abund. calcite vnlts.						
				- lwr. contact 70° to c.a.						
155'	160' (48.77m)			MEDIUM GRAINED GRANODIORITE						
				-5% chloritized mafics						
				-fresh feldspars only occas. sericitized						
153	178	80	0.10	-159-160' = fault breccia; lwr. contact ca. 45° to c.a.						
160	182.5 (55.63m)			PINKISH BROWN RHYOLITE						
				-becomes f.gr. 2' from contact after first 2' of an aphanitic gdmass w. 5% 1-2mm anhedral feldspar phenos.						

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Interval From	Interval To	Rec'y %	RQD	DESCRIPTION	Sample No.	Interval From	Interval To	Core Width	Au (oz/ton)	As (oz/ton)
				- hairline fract. w. dissem. py common - very hard (nail won't scratch) - lower contact approx. 60° to c.a.						
182.5'	190.6' (58.2m)			MASSIVE MEDIUM GRAINED GRANODIORITE - 7-16% chloritized mafics - locally rusty brown carb. alt^{n} especially near contacts. - lower contact irregular and 45° to c.a.						
190.6	198' (60.3m)			PINKISH BROWN RHYOLITE PORPHYRY - 15% anhedral to subhedral feldspars (1-2 mm.) in an aphanitic groundmass.						
178	201	90	0.35	- 194' = 2% dissem. PYRITE over 0.3' - lower contact 80° to c.a. (?+ broken						
198'	202' (61.57m)			MASSIVE MEDIUM GRAINED GRANODIORITE - lwr. contact ca. 80° to c.a.						
201	237.5	70	0.12	* REDUCED TO NQ CORE at 201'						
202'	239.5' (73m)			RUSTY BROWN RHYOLITE PORPHYRY 203-204' = Shear zone w. 0.5' of GN-SL-PY-Bearing QUARTZ; 2% total sulphides of mainly gn and sl.	8438	203	204	1'	.003	.13
				204'-206' = Silicified rhyolite in fault zone w. minor PYRITE - poor recovery	8439	204	206 (62.7m)	2'	.002	.03
				208-222' = strongly fract.; local fault gouge 211.5' = fault gouge down core axis						
237.5	266	80	0.30	213.2' = 2-4 mm. Q-Py vn. at 30° to c.a. 221.2' = 1 cm. wide piece of white Q vn. 223' = 4-6 mm. Q vn. at 30° to c. axis 225.7' = 2 mm. py vn. at 45° to c.a. 231-233' = fault zone	8440	222.5	227.5 (69.3m)	5'	.009	.05
					8441	227.5	232.5	5'	.007	.03
				ASSAYED SECTIONS CTG Q-Py vns.; ca. 1-2 per foot of core length.	8442	232.5	237.5 (72.39)	5'	.002	.01
261.5'	261.5'			ALTERED MEDIUM GRAINED GRANODIORITE						

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Interval From	Interval To	Rec'y %	RQD	DESCRIPTION	Sample No.	Interval From	Interval To	Core Width
				- lightly rusty and lightly bleached to 253'				
261.5'	271.5' (3.75m)			CARBONATE-VEINED GREEN ANDESITE - upper contact foliation ca. 30° to c.a.				
266	307.5	80	0.10	-267'-271.5' = fault zone; lower contact is gouge; ca. 30° to c.a.				
271.5'	308' (92.98m)			PINKISH BROWN RHYOLITE PORPHYRY -occas. 1-2 mm. Q. vnlt. -279' = fault gouge (2cm) w. 3cm. Q vn. ctg. 1% pyrite at 70° to c.a. -281.2' = 3-4 mm. Q vn w. 2-3% PY. running down core axis at ca. 10° -286.5' = 3-4 mm Q-Chl-Py vn. at 10° to c.a. -288' = 2mm. Q-PY vn at 30° to c.axis. - the WHOLE ZONE IS STRONGLY FRACTURED.				
307.5	333	95	0.28	-295.8' = 2-3mm Q vn. w. minor PY at 5-10° to c.a. -301.6' = 1mm. Q vn running down core axis; pinches out -303-304' = fault gouge.				
308'	312.5' (95.25m)			GREEN ANDESITE -bleached for 1' from broken contact. -creme to buff 1cm. Q-Carb. vn in bleached zone at 20-25° to c.a. - calcite vns 1-3mm. wide common. FROM 308' on → rock is less fractured than before.				
312.5'	320.5' (97.63m)			ALTERED MEDIUM GRAINED GRANODIORITE - upper contact ca. 60° to c.a. -313-314' = well fract. rhyolite dyke -318.4'-319.1' = inclusion of foliated green andesite → upper contact 35° to c.a.				
320.5'	329.5' (100.43m)			BROWN RHYOLITE PORPHYRY -20% 1-3 mm. feldspars in aph. gdmass. - lwr contact 45° to c.a.				

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Interval From	Interval To	Rec'y %	RQD	DESCRIPTION	Sample No.	Interval From	Interval To	Core Width
329.5'	332.5' (101.35m)			FOLIATED GREEN ANDESITE - fol'n 45° to c.a.				
333	343	90	0.05	- contact (lower) ca. 45° to c.a.				
332.5'	367.2' (111.2m)			RUSTY F. GR. to M. GR. GRANODIORITE - massive, unmineralized. - 347' = bleached light to medium grey.				
343	388	95	0.35	- 357.5' = Two 2-5 mm. Q. vns at 45° to c.a.				
367.2'	387.5' (118.1m)			PINKISH-BROWN RHYOLITE PORPHYRY - upper contact ca. 45° to c.axis. - 371.5' = 2 - Two mm-Q vns at 45° & 60° to c.a - 25% 1-3mm. feldspar phenos. - 382' = Several hairline PY vnlts.				
387.5	464.8' (141.67m)			GREEN ANDESITE (TUFFACEOUS) - 1% hairline to 3mm. calcite or non-fizzing Carb. vns; Vns 20-60° to c.axis. - dark green colour; massive, rel. high RQD. - broken upper contact.				
388	471	98	0.70	- several irregular lenses of Q-brown carb. up to 3cm. across. - locally brecciated and altered. - 431'-432' = Brecciation w. calcite infilling at 60° to c.a. - lower contact foliated and bleached for 2 feet. - contact ca. 45° to c.a				
464.8	471'			GRAY and BROWN RHYOLITES - 2 phases of rhyolites → a buff and a gray phase and vein py. - local dissem. pyrite in brown rhyo. - contacts 30°-80° to c.a. - 468' = hairline Q vn. cuts across both contacts - gray rhyo later? E.O.H. = 471'				

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